AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Currently Amended)   Method as defined in claim ~~1~~ 16, ~~characterized in that~~wherein a maximum waiting time is defined and the calls are allocated within that time, minimizing energy consumption.

3. (Currently Amended)   Method as defined in claim ~~1~~16, ~~characterized in that~~wherein minimization of energy consumption is used as a main criterion of allocation during light traffic hours.

4. (Currently Amended)   Method as defined in claim ~~1~~16, ~~characterized in that~~wherein the energy consumption files for identical elevators comprised in the same elevator group are combined.

5. (Currently Amended)   Method as defined in claim ~~1~~16, ~~characterized in that~~wherein the energy consumption file is produced from mathematical models.

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6. (Currently Amended)   Method as defined in claim ~~1~~16, ~~characterized in that~~wherein the energy consumption file is generated via approximate calculations.

7. (Currently Amended)   Method as defined in claim ~~1~~16, ~~characterized in that~~wherein the energy consumption file is generated by measuring the actual realized energy consumption for trips from one floor to another with different loads.

8. (Currently Amended) Method as defined in claim 7, ~~characterized in that~~wherein before the measurements an initial file is composed from approximate empirical data.

9. (Currently Amended) Method as defined in claim 7, ~~characterized in that~~wherein the energy consumption file is updated with measured, realized consumption data.

10. (Currently Amended)   Method as defined in claim 9, ~~characterized in that~~wherein, in the updating process, the data in the energy consumption file is changed in accordance with a prescribed rule towards the measured data.

11. (Currently Amended)   Method as defined in claim 9, ~~characterized in that~~wherein, in the updating process, the data in the energy consumption file is replaced with measured data.

12. (Currently Amended)   Method as defined in claim ~~1~~16, ~~characterized in that~~wherein the car load is divided into categories e.g. with 10-% intervals from an empty car to a fully loaded car in the energy consumption file.

13. (Currently Amended)   Method as defined in claim 12, ~~characterized in that~~wherein the number of categories equals the possible numbers of persons served by the car from zero load to full load and at least one category for eventual ~~excess~~excess loads.

14. (Currently Amended)   Method as defined in claim 12, ~~characterized in that~~wherein, in the name of multi-car elevators, the load to be divided into categories consists of the common total load of the cars coupled together.

15. (Currently Amended)   Method as defined in claim ~~1~~16, ~~characterized in that~~wherein the energy consumption file is

implemented as a three-dimensional database, where the energy consumption data is a function of three variables, viz. starting floor, arrival floor and car load.

16. (New) An elevator group control method for allocating landing calls and car calls to elevators while minimizing energy consumption, comprising the steps of:

providing an elevator controller for allocating elevators to meet calls;

providing an energy consumption file for each car for describing energy consumption which occurs during each trip of the elevator from each floor and to each of the other floors with different loads, said file being connected to said controller for generating energy consumption data;

receiving calls in said controller;

determining total energy consumption for possible elevator allocation based on data generated from said files;

determining a preferred allocation of elevators based on minimization of energy consumption data; and

allocating elevators based on said minimization of energy consumption.